

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q90987

Yoshikazu KAKURA, et al.

Appln. No.: Not yet assigned

Confirmation No.: Not yet assigned

Group Art Unit: Not yet assigned

Filed: October 21, 2005

Examiner: Not yet assigned

For: CHANNEL ESTIMATION CIRCUIT AND CHANNEL ESTIMATION METHOD

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Publication No. 2000-261412, published September 22, 2000, with English abstract.
2. Japanese Patent Publication No. 2002-111542, published April 12, 2002, with English abstract.
3. Japanese Patent Publication No. 2000-078110, published March 14, 2000, with English abstract.

INFORMATION DISCLOSURE STATEMENT  
New U.S. National Stage Entry of PCT/JP2004/006011

4. Japanese Patent Publication No. 2000-134135, published May 12, 2000, with English abstract.
5. Japanese Patent Publication No. 2911117, published April 9, 1999, with English abstract.
6. Japanese Patent Publication No. 10-190522, published July 21, 1998, with English abstract.
7. Japanese Patent Publication No. 10-051424, published February 20, 1998, with English abstract.
8. Japanese Patent Publication No. 2002-094412, published March 29, 2002, with English abstract.
9. International Patent Publication No. 01/03309, published January 11, 2001.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of the International Search report issued in the corresponding International Application citing references 1-5, indicating the degree of relevance found by the foreign patent office.

INFORMATION DISCLOSURE STATEMENT  
New U.S. National Stage Entry of PCT/JP2004/006011

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

Date: October 21, 2005

Substitute for Form 1449 A & B/PTO				Complete if Known 10/554097	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	Not yet assigned
				Confirmation Number	Not yet assigned
				Filing Date	October 21, 2005
				First Named Inventor	Yoshikazu KAKURA
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	1	of	1	Attorney Docket Number	Q90987

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code <sup>3</sup>	Number <sup>4</sup>		
/KT/		JP	2000-261412	A	09-22-2000
		JP	2002-111542	A	04-12-2002
		JP	2000-078110	A	03-14-2000
		JP	2000-134135	A	05-12-2000
		JP	2911117	B1	04-09-1999
		JP	2002-094412	A	03-29-2002
		JP	10-051424	A	02-20-1998
		JP	10-190522	A	07-21-1998
/KT/		WO	01/03309	A2	01-11-2001

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			Translation <sup>6</sup>

Examiner Signature	/Khai Tran/	Date Considered	08/12/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.